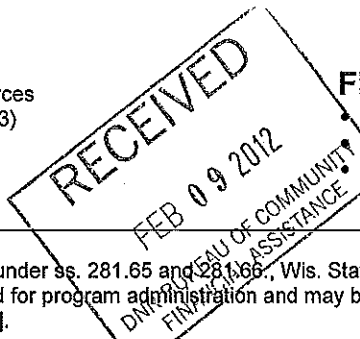


Wisconsin Department of Natural Resources
Bureau of Watershed Management (WT/3)
101 S. Webster St.
Madison, WI 53703
PO Box 7921
Madison, WI 53707-7921



Final Report Form 3400-189 (rev. 7/30/09)

- Targeted Runoff Management Grant Program (ch. NR 153)
- Notice of Discharge Program (ch. NR 153)
- Urban Nonpoint Source & Storm Water Management Grant Program (ch. NR 155)

NOTICE: This Final Report is authorized under ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Admin. Code. Personally identified information collected will be used for program administration and may be made available to requesters as required under Wisconsin Open Records Law [ss. 19.31-19.39, Wis. Stats.].

INSTRUCTIONS: Your grant agreement requires you to submit a Final Report with your final reimbursement request. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR as described in the instructions.

1. GRANT TYPE. Check the one that applies.

- ☐ Targeted Runoff Management Grant – Agricultural ☐ Targeted Runoff Management Grant – Urban
- ☒ Urban Nonpoint Source & Storm Water Management Grant – Construction ☐ Urban Nonpoint Source & Storm Water Management Grant – Planning
- ☐ Notice of Discharge Grant

2. PROJECT NAME & LOCATION.

2.1. Project Name: Green Streets in West Grange Avenue	2.2. Grant Number: 40251 USC-SEO5-40254-10	
2.3. Governmental Unit Name: City of Milwaukee	2.4. Primary Watershed Name: KK River and Oak Creek	2.5. Watershed Code: KK- M101/ OC-SE01

NOTE FOR SECTION 2.6 (which follows):

Section 2.6. includes five (5) columns (A. through E.) for recording data about five (5) discrete site locations. If your grant has more than five (5) discrete project locations, attach additional columns for Section 2.6 as described in the instructions. If your project occurs in more than one 12-digit Hydrologic Unit Code (HUC), use the space in adjacent columns to record other HUC numbers.

2.6 Site Location(s) →	A	B	C	D	E
Name of Cost-Share Recipient or Governmental Unit	City of Milwaukee				
Cost-Share Agreement Number (Agricultural only)					
12-Digit Hydrologic Unit Code(s) (HUC) Where Work Was Completed	040400030501 040400020102				
Nearest Surface Receiving Water Affected					
Name:	Kinnickinnic River Oak creek				
Waterbody Identification Code(s) (WBIC):	15100 14500				
Nearest Impaired Water Affected					
Name:	Kinnickinnic River Oak Creek				
Waterbody Identification Code(s) (WBIC):	15100 14500				
Pollutants Reduced	Solids				
Impairments/Impacts Addressed	TSS removal				

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Project Location(s) (cont.) ->	A	B	C	D	E
Project Coordinates					
Town	6	6	6	6	
Range	R.22.E	R.22.E	R.22.E	R.22.E	
Section	31	31	30	30	
Quarter	N.W.	N.E.	S.W.	S.E.	
Quarter-Quarter	NE	NW	SE	SW	
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer (SWDV))	42° 56' 41.4" N	42° 56' 41.1" N	42° 56' 41.4" N	42° 56' 41.1" N	
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)	87° 56' 56.4" W	87° 56' 6.5" W	87° 56' 56.4" W	87° 56' 6.5" W	

3. SUMMARY OF RESULTS.

Table A. Agricultural Projects - Ch. NR 151 Performance Standards and Prohibitions and Other Water Resources Management Priorities

A-1. Management Measures	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting "T"	acres	
Manure Storage Facilities: New Construction/Alterations	Number of facilities	facilities	
	Number of animal units	animal units	
Manure Storage Facilities: Closure	Number of facilities	facilities	
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities	facilities	
	Number of animal units	animal units	
Clean Water Diversions in WQMA	Pollutant load reduction	lbs.	
	Number of farms with diversions	farms	
	Number animal units	animal units	
Nutrient Management on Agricultural Land	Acres planned	acres	
Prohibition: Manure Storage Overflow	Number of farms	farms	
	Number of animal units	animal units	
Prohibition: Unconfined Manure Pile in WQMA	Number of farms	farms	
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction	lbs.	
	Number of facilities	facilities	
	Number of animal units	animal units	
Prohibition: Unlimited Livestock Access	Feet of bank protected	feet	
	Number of farms	farms	

Final Report Form 3400-189 (rev. 7/30/09)

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Table A: Agricultural Projects (continued)			
A.2. Other Management Measures	Units of Measure	Quantity	Measurement Method Used
Streambank & Shoreline Protection	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		
Other:	Units (use feet, acres or number as applicable)		
	Pollutant load reduction (if method available)		

Table B: Urban Construction Projects Serving Developed Areas			
B.1. Required Management Measures	Units of Measure	Quantity	Measurement Method Used
20-40% Total Suspended Solids (TSS) Reduction for NR 216 communities	TSS reduced	2956 lbs.	Code 1001
	TSS reduction	93 %	WinSLAMM
B.2. Other Management Measures			
20-40% Reduction in TSS for non-NR 216 communities	TSS reduced	lbs.	
	TSS reduction	%	
Infiltration	Pre-development stay-on volume	%	
	Stay-on volume	ft ³ /year	
Peak flow discharge for 2 year/24 hour design storm	Change in cubic feet per second for design year	ft ³ /sec	
Protective areas	Bank protected	feet	
Fueling & maintenance areas	Oily sheen presence reduced	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Streambank & Shoreline Protection	Bank erosion reduced	tons	
	Bank protected	feet	
Other:	Pollutant load reduction (if method available)		
	Units (use feet, acres or number as applicable)		

Table C: Urban Planning Projects			
C.1. Governmental unit(s) involved (list by name):			
C.2. Estimate total acres covered by the	Existing Developed Urban Areas	New Development	Total Acres

Final Report Form 3400-189 (rev. 7/30/09)

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planning product:	acres	acres	acres
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C.3. Products developed (check all below that apply)	Identify Documents by Name (if applicable)
<input type="checkbox"/> Storm Water Plan	
<input type="checkbox"/> Construction or Erosion Ordinances	
<input type="checkbox"/> Post-construction Storm Water Ordinances	
<input type="checkbox"/> Other Types of Storm Water Quality Ordinances	
<input type="checkbox"/> Financing Methods: identified and evaluated	
<input type="checkbox"/> Financing Methods: developed or implemented	
<input type="checkbox"/> I & E Plan	
<input type="checkbox"/> I & E Implementation Activities	
<input type="checkbox"/> Other:	
C.4. Identify the Storm Water goals addressed (check all that apply)	
<input type="checkbox"/> Reduce TSS	Comments:
<input type="checkbox"/> Maintain infiltration	
<input type="checkbox"/> Control Peak Flow	
<input type="checkbox"/> Protective Areas	
<input type="checkbox"/> Control of Fueling & Maintenance Areas	
<input type="checkbox"/> Remove Illicit Discharges	
<input type="checkbox"/> Other:	

4. Satisfaction of Notice Requirements. If cost sharing for this project was offered under a formal notice pursuant to chs. NR 151 or 243, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Chs. NR 151 or 243 Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

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5. Additional Information. (Space will expand to fit your text.)

We have been monitoring the bio-retention facilities during rain events and they have been functioning as designed. Water will pool during the heavy rain events and infiltrate through the soil. We have noticed that after rain events the facilities are dry and all the ponding water infiltrated into the engineered soil. It was clear to us that the bio-retention facilities are working as designed.

6. Summary of Project Challenges. (Space will expand to fit your text.)

The biggest challenge in the field as well as during the design process was the location of utilities surrounding the project area. In the field the biggest utility challenge we had was dealing with the high voltage street lighting lines. Also, the work was done in high traffic areas.

7. Grantee Certification.

Checking here ☒ certifies that, to the best of your knowledge, the information contained in this report is correct.

Name of Authorized Representative (type or print) ↓

Jeffrey S. Polenske

Title of Authorized Representative (type or print) ↓

City Engineer (City of Milwaukee)

Signature of Authorized Representative

Date

1/31/12

8. For Departmental Use Only.

Regional NPS Coordinator – Please complete the following

8.A. Check here ☒ if you have received the following from the project sponsor:

- one (1) printed, signed original Final Report + attachments
- one (1) electronic version of Final Report

Send the printed, signed original Final Report with attachments + electronic version to the Community Financial Assistance Grants Manager. Community Financial Assistance will forward to Runoff Management Section Grants Coordinator.

8.B. Comments about this project:

8.C. Type or print Name of Regional NPS Coordinator →

Susan Eichelkraut

8.D. Signature of Regional NPS Coordinator

8.E. Date

2.7.12

